

# Single Bolt Type (TCC-Range)



## Single Bolt Type:

In all cable installations, an essential factor is to ensure that all cables are secured with the correct cleats for the cable, application, and environment. The TCC series of cleats support and secure all cables in a single formation throughout the system during normal operation and during fault conditions that may occur. System integrity is maintained, and cable damage can be prevented.

The TCC range of cleats comply with latest requirements to EN 61914:2016 & IEC 61914:2015 standards. They are manufactured from low density polyethylene with excellent resistant to ultraviolet light and adverse weather conditions. The cleats are designed to hold and retain all types of cables in a single formation.

The TCC range of cable cleats are black colour and marked “BICC COMPONENTS – TCC0X (Item Code)” along with the cable diameter range (Ø XX-XX) accommodation covering diameters from 10.5mm to 51mm.

The short circuit ratings mentioned below are based on single core cable formation as per EN 61914:2016 & IEC 61914:2015 standards. Short circuit report for multicore cables is available upon request.

### Test Standard: EN 61914:2016 & IEC 61914:2015

Description:	Clause:	Classification:	Description:	Clause:	Classification:
<b>Type</b>	6.1.2	Non-Metallic	<b>Resistance to Short Circuit</b>	6.4.4 – 1 short circuit	20kA RMS / 50kA Peak
<b>Operating Temperature</b>	6.2	-20°C to +60°C		6.4.5 – 2 short circuits	20kA RMS / 50kA Peak
<b>Impact Resistance</b>	6.3.4	Heavy	<b>Ultraviolet Light</b>	6.5.1.2	Resistant to Ultraviolet Light
<b>Lateral Retention</b>	6.4.2	0.2KN	<b>Corrosion Resistant</b>	6.5.2	Not Applicable
<b>Axial Retention</b>	6.4.3	0.1KN	<b>Needle Flame</b>	10.1	>60 secs
<b>Cleat Spacing</b>			Cleat type, spacing and suitability for horizontal or vertical installation is dependent on system fault level and cable diameter and weight. Therefore, these parameters must be adequately assessed by the end-user prior to order or installation of the cleats.		

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## Features:

- Low & Medium Voltage Single or Multi core Type Cables in a Single Formation.
- Cable Diameter Range from 10.5mm to 51mm.
- **Material:** Low Density Polyethylene (LDPE) – Black Colour
- Suitable for Use With all Standard Ladder and Tray Systems.
- Operating Temperatures -20°C to +60°C.

**Selection Table:**

Item Code	Cable Diameters D (mm)		Cleat Dimensions (mm)				Hole Fixings
			B		A	C	
	Min.	Max.	Min.	Max.			
TCC01	10.5	14.5	15.0	18.0	30.0	12.0	1 x M4
TCC02	12.2	16.7	17.0	22.0	34.0	14.0	1 x M4
TCC03	14.6	19.8	21.0	26.0	40.5	16.0	1 x M4
TCC04	17.7	24.0	25.0	31.0	48.5	18.0	1 x M4
TCC05	21.7	28.5	30.0	37.0	54.0	20.0	1 x M6
TCC06	26.2	34.2	35.0	43.0	61.0	22.0	1 x M6
TCC07	31.9	41.6	42.0	52.0	71.5	24.0	1 x M6
TCC08	39.3	51.0	50.0	62.0	87.0	26.0	1 x M6

**Disclaimer:** The dimension provided are for guidance and given in good faith, however BICC Components reserve the right to change these without prior notification.

